

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 1. (currently amended) A method of assigning resources for a computer
2 system design comprising:

3 [[a.]] receiving desired levels of performance parameters for a computer
4 system design from a user via a user interface to a computer
5 system, the design including assignments of system resources to
6 applications;

7 [[b.]] modifying the design in response to said desired levels including
8 modifying the assignments of the system resources;

9 [[c.]] predicting levels of performance parameters for the modified
10 ~~design of the storage system;~~ and

11 [[d.]] displaying for the user an indication of ~~indicia of~~ the predicted
12 levels of performance parameters for the modified design via the
13 user interface.

1 2. (original) The method according to claim 1, wherein the computer system
2 design comprises a design for a data storage system.

1 3. (original) The method according to claim 1, wherein said modifying
2 includes reducing said desired levels of performance parameters.

1 4. (currently amended) The method according to claim 3, wherein said
2 reducing is based on at least one utility functions representing utility as a
3 function of one or more of the performance parameters.

1 5. (currently amended) The method according to claim 4, further comprising:

2 [[a.]] receiving the at least one utility functions via the user interface to
3 the computer system; and

4 [[b.]] storing ~~said the~~ at least one utility functions in a memory device of
5 the computer system.

1 6. (original) The method according to claim 1, wherein the desired levels of
2 performance parameters are specified by the user through a graphical user
3 interface.

1 7. (original) The method according to claim 1, wherein the desired levels of
2 performance parameters are specified by the user through a graphical user
3 interface by the user manipulating heights of bar graphs shown on a display of
4 the computer system.

1 8. (currently amended) The method according to claim 7, wherein each bar
2 graph ~~includes a first indicia of~~ indicates the corresponding desired level of the
3 performance parameter.

1 9. (currently amended) The method according to claim 8, wherein each bar
2 graph ~~includes second indicia of~~ also indicates the corresponding predicted
3 level of the performance parameter.

1 10. (currently amended) A method of assigning resources for a computer
2 system design comprising:

- 3 [[a.]] receiving desired levels of performance parameters for a computer
4 system design from a user via a user interface to a computer
5 system;
6 [[b.]] developing the design including assignments of system resources to
7 applications;
8 [[c.]] predicting levels of performance parameters for the design;
9 [[d.]] comparing the predicted levels of performance parameters to the
10 desired levels of performance parameters; ~~and~~
11 [[e.]] modifying the design including modifying the assignments of the
12 system resources when the predicted levels are lower than the
13 desired levels, said modifying being performed by the computer
14 system; and
15 displaying for the user results of the modifying via the user
16 interface.

- 1 11. (original) The method according to claim 10, wherein the computer
2 system design comprises a design for a data storage system.
- 1 12. (original) The method according to claim 10, wherein said developing
2 comprises assigning system resources to applications to be served by the
3 design.
- 1 13. (original) The method according to claim 12, said assigning being
2 performed by a design tool operating on the computer system.
- 1 14. (original) The method according to claim 10, wherein said modifying
2 includes reducing said desired levels of performance parameters.
- 1 15. (currently amended) The method according to claim 14, wherein said
2 reducing is based on at least one utility functions representing utility as a
3 function of one or more of the performance parameters.
- 1 16. (original) The method according to claim 15, further comprising
2 receiving the utility functions via the user interface to the computer system.
- 1 17. (original) The method according to claim 10, wherein the user interface is
2 a graphical user interface.
- 1 18. (original) The method according to claim 17, wherein the desired levels
2 of performance parameters are specified by the user through the graphical user
3 interface by the user manipulating heights of bar graphs shown on a display of
4 the computer system.
- 1 19. (currently amended) The method according to claim 18, wherein each bar
2 graph ~~includes first indicia of~~ indicates the desired level of the corresponding
3 performance parameter.

1 20. (currently amended) The method according to claim 19, wherein each bar
2 graph ~~includes second indicia of~~ also indicates the predicted level of the
3 corresponding performance parameter.

1 21. (original) The method according to claim 10, further comprising
2 repeating said steps of predicting and comparing after said modifying.

1 22. (original) The method according to claim 21, wherein when the predicted
2 levels are lower than the desired levels after said modifying, then notifying the
3 user.

1 23. (currently amended) An apparatus for assigning resources for a computer
2 system design, comprising a computer system programmed to operate in a first
3 program loop in which a user specifies desired levels of performance
4 parameters of the design via a user interface and a second program loop in
5 which: performance parameter levels are predicted for the design; the
6 predicted performance parameters are compared to the desired levels of
7 performance parameters; ~~and~~ the design is modified, including modifying
8 assignments of system resources to applications, in response to the comparison
9 and results of the modifying are displayed for the user via the user interface.

1 24. (original) The apparatus according to claim 23, wherein the computer
2 system design comprises a design for a data storage system.

1 25. (cancelled)

1 26. (currently amended) The apparatus according to claim 23, wherein the
2 modifications include reducing said desired levels of performance parameters
3 based on at least one utility functions representing utility as a function of one
4 or more of the performance parameters.

1 27. (original) The apparatus according to claim 26, wherein the utility
2 functions are specified by the user.

1 28. (original) The apparatus according to claim 23, wherein the desired levels
2 of performance parameters are specified by the user through a graphical user
3 interface.

1 29. (original) The apparatus according to claim 28, wherein the desired levels
2 of performance parameters are specified by the user through the graphical user
3 interface by the user manipulating heights of bar graphs shown on a display of
4 the computer system.

1 30. (currently amended) The apparatus according to claim 29, wherein each
2 bar graph ~~includes first indicia of~~ indicates the desired level of the
3 corresponding performance parameter.

1 31. (currently amended) The apparatus according to claim 30, wherein each
2 bar graph ~~includes second indicia of~~ also indicates the predicted level of the
3 corresponding performance parameter.